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Campus Report Mar 29, 2007

03.29.2007 | Students, Campus and Community, International

Twenty five University of Dayton engineering students will travel for eight to 10 weeks this summer with the ETHOS program of service learning in various developing countries. During the immersion, students live with local families and are hosted by local technical organizations which sponsor research and development projects. The number of participants increased for this summer from an average of 15 in the past five years to 25.

Students are prepared for the experience in a three-part course class that emphasizes cultural sensitivity, language preparation and appropriate technology. On return to campus students are required to write two reports (a personal learning report and a technical report) and to make two presentations about their research.

Participating students are engaging in various fund raising activities to help pay for the expenses of the trip including a dinner and speaker set for April 21.

Projects and destinations and participants include:

- * DECAMP Marianist Rural Development, Uxpanapa, Veracruz, Mexico.

A water assessment project will be undertaken by a team which includes Emily Hathaway (Coshocton, OH), geology major, Valerie Sutton, (Xenia), Craig Davis, (Cincinnati) and Elizabeth Hundt (Kettering)

- * Kumba City Council, Cameroon, civil engineering projects.

The team includes Justin Forzano (Wheeling), Mark Ewalt (Cincinnati), Hayley Ryckman (Lancaster, OH) and Elizabeth Kovalak (Comstock, MI). Forzano had an immersion experience in Cameroon last year and is returning to follow up on a water distribution system for which he is raising project money.

- * Chaminade Technical School, Lima, Peru

Zackery Malosh (Sylvania, OH) and Jonathan Obergefell (Port Clinton, OH) will teach and develop computer systems at this Marianist post-secondary school in a poor barrio.

- * In Bolivia, Joshua Heyne (Centerville, OH) and Eric White (Hudson, OH) will research and develop biomass and gasifier cooking stoves. This is Heyne's second trip; he previously served in Brazil.

- * Working with a technical group, Proleña, on solar cookers and dryers in Bolivia: Michael Arzate (Kettering, OH) and Kathryn Berquist (Richmond Heights, OH).

- * In Brazil, Nathan Wolff (Medina, OH) and Scott Allen (Cincinnati) will work with the technical group Ecofogon on biogas stoves and micro business development.

- * Several groups will travel to Nicaragua to work with Grupo Fenix and Proleña, researchers associated with the University of Nicaragua on passive solar cookers, solar autoclaves and biomass stoves. The students include Charles Demario (Hubbard, OH), Adele Peña (Huston, TX), Anna Gebrosky (Latrobe, PA), Faizan Ahmad (Karachi, Pakistan), Andri Fitzsimmons (Miamisburg, OH). Lori Hanna (Wadsworth, OH) will return to Nicaragua where last summer she started research on solar autoclaves as part of her honors program thesis work.

- * Brendan O'Grady (Ada, MI) and Charles Schreier (grad student from Buffalo, NY) will do research on cooking stoves in the highlands of Peru.